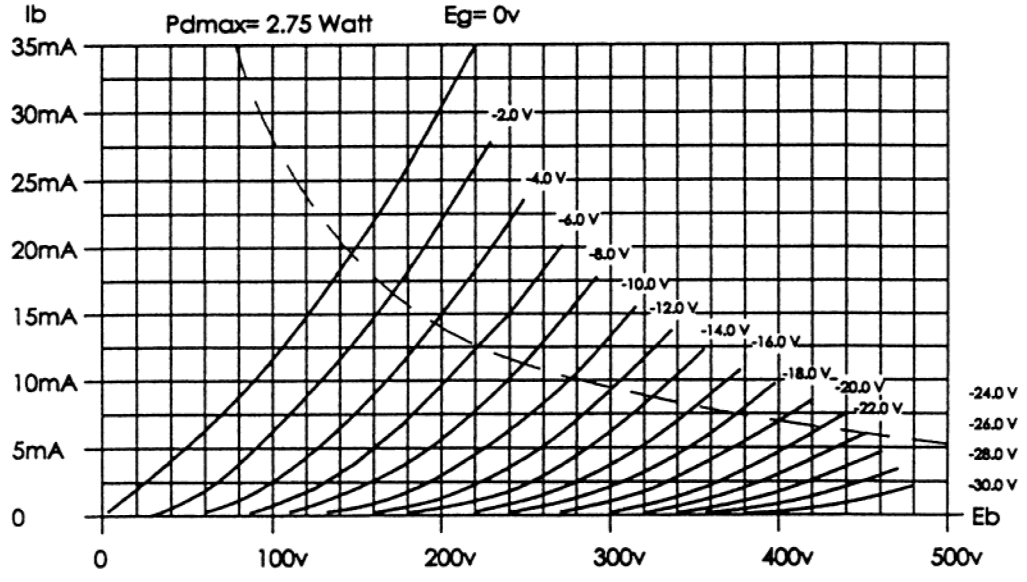
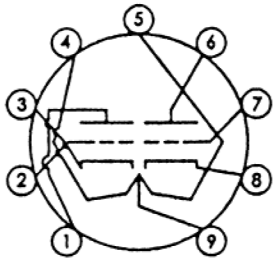
12AU7EH





Pin #	description
1	plate 2
2	grid 2
3	cathode 2
4,5,9	heater
6	plate 1
7	grid 1
8	cathode 1

Electrical Data

Heater Current (nominal)		0.3 A/0.15 A (parallel/series)
Heater Voltage, not less than		6.0 or 12.0 V
Heater Voltage, not more than		6.6 or 13.2 V
Plate Voltage, not more than		330 V
Heater to Cathode Voltage:		
positive, V not more than		100 V
negative, V not less than		200 V
Heater Warmup Time		12 seconds
Plate Current, not more than		22 mA
Plate Dissipation, each triode, not more than		2.75 Watts
Maximum grid circuit resitance:		
fixed bias, not more than		1 Mohm
self bias, not more than		2.2 Mohm
Inter-electrode Capacitances:		
C, grid to plate		1.8 pF
C, grid to cathode and heater		2.0 pF
C, plate to cathode and heater		1.5 pF
C, cathode to heater		5.0 nF (nominal)
C, plate to plate		500 pF
Measured Electrical minima:		
Grid reverse current, not more than	(see note below)	0.5 uA
Plate current, not less than	(see note below)	8 mA
Plate current (Eb= 250V, Ec= -18V)		10 uA
Transconductance, not less than	(see note below)	2.2 mA/V
Amplification Factor, not less than	(see note below)	15
Amplification Factor (nominal)		17
Plate Resistance (nominal)		7.5K Ohms

NOTE: heater V, 12.6vac; plate V, 250v; grid bias, -8.5v; grid circuit resistance, 1K ohm

ELECTRO-HARMONIX

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tested by jcm

Drawing # GT009

Drawn by: jcm